

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US,09/630,319

DATE: 08/11/2000
TIME: 11:44:11

Input Set: A:\SEQ LISTING.txt

Output Set: N:\CRF3\08142000\I630319.raw

```

1 11<> APPLICANT: Edward A. Miller M.
2 12<> Address: Dennis
3 13<> Inventor: Alfred D.
4 14<> TITLE OF INVENTION: Methods of Treating and Preventing
5 15<> Infectious Disease
6 16<> FILE REFERENCE: 01039, 21, ZHNL
C--> 14<140> CURRENT APPLICATION NUMBER: US,09/630,319
C--> 14<141> CURRENT FILING DATE: 2000-07-31
7 17<> PRIOR APPLICATION NUMBER: US 08/590,071
8 18<> PRIOR FILING DATE: 1997-12-01
9 19<> PRIOR APPLICATION NUMBER: US 08/778,652
10 20<> PRIOR FILING DATE: 1998-10-20
11 21<> PRIOR APPLICATION NUMBER: US 08/356,663
12 22<> PRIOR FILING DATE: 1995-02-07
13 23<> PRIOR APPLICATION NUMBER: US 08/276,358
14 24<> PRIOR FILING DATE: 1994-07-15
15 25<> NUMBER OF SEQ ID NOS: 133
16 26<> SOFTWARE: FastSeq for Windows Version 3.0
17 27<> SEQ ID NO: 1
18 28<> LENGTH: 20
19 29<> TYPE: DNA
20 30<> ORGANISM: Artificial Sequence
21 31<> FEATURE:
22 32<> OTHER INFORMATION: Synthetic Oligonucleotide
23 400<> SEQUENCE: 1
24 401<> atgaagctac gtaggttctc
25 210<> SEQ ID NO: 2
26 211<> LENGTH: 20
27 212<> TYPE: DNA
28 213<> ORGANISM: Artificial Sequence
29 300<> FEATURE:
30 301<> OTHER INFORMATION: Synthetic Oligonucleotide
31 400<> SEQUENCE: 2
32 401<> atgaagctac gtaggttctc
33 210<> SEQ ID NO: 3
34 211<> LENGTH: 20
35 212<> TYPE: DNA
36 213<> ORGANISM: Artificial Sequence
37 300<> FEATURE:
38 301<> OTHER INFORMATION: Synthetic Oligonucleotide
39 400<> SEQUENCE: 3
40 401<> atgaagctac gtaggttctc
41 210<> SEQ ID NO: 4
42 211<> LENGTH: 15
43 212<> TYPE: DNA
44 213<> ORGANISM: Artificial Sequence
45 300<> FEATURE:

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ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/630,319

DATE: 08/11/2000

TIME: 11:11:34

Input Set: A:\SEQ LISTING.txt

Output Set: N:\CRF3\08142000\I630319.raw

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68 223< OTHER INFORMATION: Synthetic oligonucleotide
69 400< SEQUENCE: 4
70 401< SEQ ID NO: 1
71 410< SEQ ID NO: 5
72 411< LENGTH: 19
73 412< TYPE: DNA
74 413< ORGANISM: Artificial Sequence
75 420< FEATURE:
80 223< OTHER INFORMATION: Synthetic oligonucleotide
81 400< SEQUENCE: 5
82 401< SEQ ID NO: 6
83 410< SEQ ID NO: 6
84 411< LENGTH: 19
85 412< TYPE: DNA
86 413< ORGANISM: Artificial Sequence
87 420< FEATURE:
91 223< OTHER INFORMATION: Synthetic oligonucleotide
92 400< SEQUENCE: 6
93 401< SEQ ID NO: 7
94 410< SEQ ID NO: 7
95 411< LENGTH: 20
96 412< TYPE: DNA
97 413< ORGANISM: Artificial Sequence
98 420< FEATURE:
101 223< OTHER INFORMATION: Synthetic oligonucleotide
102 400< SEQUENCE: 7
103 401< SEQ ID NO: 8
104 410< SEQ ID NO: 8
105 411< LENGTH: 20
106 412< TYPE: DNA
107 413< ORGANISM: Artificial Sequence
108 420< FEATURE:
111 223< OTHER INFORMATION: Synthetic oligonucleotide
112 400< SEQUENCE: 8
113 401< SEQ ID NO: 9
114 410< SEQ ID NO: 9
115 411< LENGTH: 20
116 412< TYPE: DNA
117 413< ORGANISM: Artificial Sequence
118 420< FEATURE:
121 223< OTHER INFORMATION: Synthetic oligonucleotide
122 400< SEQUENCE: 9
123 401< SEQ ID NO: 10
124 410< SEQ ID NO: 10
125 411< LENGTH: 20
126 412< TYPE: DNA
127 413< ORGANISM: Artificial Sequence
128 420< FEATURE:
131 223< OTHER INFORMATION: Synthetic oligonucleotide
132 400< SEQUENCE: 10
133 401< SEQ ID NO: 11
134 410< SEQ ID NO: 11
135 411< LENGTH: 20
136 412< TYPE: DNA
137 413< ORGANISM: Artificial Sequence
138 420< FEATURE:

```

RAW SEQUENCE LISTING
 PATENT APPLICATION US/09/630,319
 DATE: 08/11/2009
 TIME: 11:11:11

Input File: A:\SEQ LISTING.txt
 Output Set: N:\CRF3\08142000\1630319.raw

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137-110- SEQUENCE: 10
138-110- gctagacgtt agctagatt
139-110- SEQ ID NO: 11
140-111- LENGTH: 11
141-112- TYPE: DNA
142-113- ORGANISM: Artificial Sequence
143-114- FEATURE:
144-115- OTHER INFORMATION: Synthetic Oligonucleotide
145-116- SEQUENCE: 11
146-117- gctagacgtt agctagatt
147-118- SEQ ID NO: 12
148-119- LENGTH: 11
149-120- TYPE: DNA
150-121- ORGANISM: Artificial Sequence
151-122- FEATURE:
152-123- OTHER INFORMATION: Synthetic Oligonucleotide
153-124- SEQUENCE: 12
154-125- gctagacgtt agctagatt
155-126- SEQ ID NO: 13
156-127- LENGTH: 11
157-128- TYPE: DNA
158-129- ORGANISM: Artificial Sequence
159-130- FEATURE:
160-131- OTHER INFORMATION: Synthetic Oligonucleotide
161-132- NAME/SEQ: modified base
162-133- LOCATION: (7)...(7)
163-134- OTHER INFORMATION: msc
164-135- SEQUENCE: 13
W--> 175- gctagangtt agcgt
165-136- SEQ ID NO: 11
166-137- LENGTH: 10
167-138- TYPE: DNA
168-139- ORGANISM: Artificial Sequence
169-140- FEATURE:
170-141- OTHER INFORMATION: Synthetic Oligonucleotide
171-142- NAME/SEQ: modified base
172-143- LOCATION: (1)...(13)
173-144- OTHER INFORMATION: msc
174-145- SEQUENCE: 11
W--> 190- gctagacgtt agngt
175-146- SEQ ID NO: 13
176-147- LENGTH: 10
177-148- TYPE: DNA
178-149- ORGANISM: Artificial Sequence
179-150- FEATURE:
180-151- OTHER INFORMATION: Synthetic Oligonucleotide
181-152- gctagacgtt agngt
182-153- SEQ ID NO: 14

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/630,319

DATE: 03/11/2000

TIME: 11:11:11

Input Set : A:\SEQ LISTING.txt

Output Set: N:\CRF3\08142000\1630319.raw

```

204 <211> LENGTH: 20
205 <212> TYPE: RNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetic oligonucleotide
211 <221> NAME/KEY: modified base
212 <222> LOCATION: (8)...(8)
213 <223> OTHER INFORMATION: mod
215 <221> NAME/KEY: modified base
216 <222> LOCATION: (10)...(10)
217 <223> OTHER INFORMATION: mod
219 <221> NAME/KEY: modified base
220 <222> LOCATION: (11)...(11)
221 <223> OTHER INFORMATION: mod
223 <100> SEQUENCE: 16
W--> 224 atngactctn gagngttctc 20
226 <210> SEQ ID NO: 17
227 <211> LENGTH: 20
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Synthetic oligonucleotide
234 <221> NAME/KEY: modified base
235 <222> LOCATION: (3)...(3)
236 <223> OTHER INFORMATION: mod
238 <100> SEQUENCE: 17
W--> 239 atngactctc gagegttctc 20
241 <210> SEQ ID NO: 18
242 <211> LENGTH: 20
243 <212> TYPE: RNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Synthetic oligonucleotide
249 <221> NAME/KEY: modified base
250 <222> LOCATION: (18)...(18)
251 <223> OTHER INFORMATION: mod
253 <100> SEQUENCE: 18
W--> 254 atcgactctc gagegttctc 20
256 <210> SEQ ID NO: 19
257 <211> LENGTH: 20
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Synthetic oligonucleotide
264 <100> SEQUENCE: 19
265 atgaaaggtc caacgttctc 20
267 <210> SEQ ID NO: 20
268 <211> LENGTH: 20
269 <212> TYPE: DNA

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/630,319
 DATE: 08/11/2000
 TIME: 11:11:14

Input Set: A:\SEQ LISTING.txt
 Output Set: N:\CRF3\08142000\I630319.raw

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209 <210> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Synthetic Oligonucleotide
215 <400> SEQUENCE: 20
216 gaaagagctg gaccttccat
218 <210> SEQ ID NO: 21
219 <211> LENGTH: 20
220 <212> TYPE: DNA
281 <210> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Synthetic Oligonucleotide
287 <400> SEQUENCE: 21
288 gaaagagctg gaccttccat
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 20
292 <212> TYPE: DNA
302 <210> ORGANISM: Artificial Sequence
303 <220> FEATURE:
305 <223> OTHER INFORMATION: Synthetic Oligonucleotide
307 <400> SEQUENCE: 22
308 gaaagagctg gaccttccat
310 <210> SEQ ID NO: 23
311 <211> LENGTH: 20
312 <212> TYPE: DNA
323 <210> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Synthetic Oligonucleotide
328 <400> SEQUENCE: 23
329 gaaagagctg gaccttccat
331 <210> SEQ ID NO: 24
332 <211> LENGTH: 20
333 <212> TYPE: DNA
344 <210> ORGANISM: Artificial Sequence
345 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthetic Oligonucleotide
349 <221> NAME/KEY: modified_base
350 <222> LOCATION: (9)...(9)
351 <223> OTHER INFORMATION: n/c
353 <400> SEQUENCE: 24
W--> 324 gagaagctg gaccttccat
354 <210> SEQ ID NO: 25
355 <211> LENGTH: 20
356 <212> TYPE: DNA
359 <210> ORGANISM: Artificial Sequence
360 <220> FEATURE:
362 <223> OTHER INFORMATION: Synthetic Oligonucleotide
364 <221> NAME/KEY: modified_base
365 <222> LOCATION: (1)...(14)
366 <223> OTHER INFORMATION: n/c

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 08/11/2000
 PRESENT APPLICATION: US/09/630,319 TIME: 11:11:13

Input Set: A:\SEQ LISTING.txt
 Output Set: N:\CRF3\08142000\1630319.raw

1:11 M:170 C: Current Application Number differs. Replaced Current Application No
 1:11 M:171 C: Current Filing Date differs. Replaced Current Filing Date
 1:175 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#13
 1:190 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#14
 1:204 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#15
 1:239 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#17
 1:251 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#18
 1:321 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#21
 1:338 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#25
 1:378 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#30
 1:413 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#31
 1:419 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#33
 1:461 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#41
 1:1360 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#110
 1:1375 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#111
 1:1428 M:311 W: (16) "n" or "Xaa" used. for SEQ ID#122